

# HARIKA BANDELA

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<https://harikabandela20.github.io/HarikaBandela.github.io/>

## EDUCATION

### Master of Science in Information Technology

Arizona State University, Tempe, AZ

January 2022 - December 2023

GPA: 4.0/4.0

### Bachelor of Technology in IT

Bhoj Reddy Engineering College for Women - Hyderabad, India

August 2017 - August 2021

GPA: 8.1/10.0

## TECHNICAL SKILLS

**Programming Languages:** Python (Pandas, NumPy), Java, C, C++, JavaScript, PHP, Perl.

**Web Technologies:** HTML5, CSS, Bootstrap, React JS, React Native, XML, Angular.

**Web Framework:** Spring Boot, Node JS, REST, Apache Spark, Json, Django.

**Tools:** Amazon Web Services (EC2, ECS, IAM, Amplify, CloudWatch, Lambda, API Gateway, S3), GCP, Docker, Git.

**Databases:** SQL (MySQL, PostgreSQL, Oracle, PL/SQL), NoSQL (MongoDB, DynamoDB, Couchbase), SQL Server.

**Testing Methodology & Operating System:** Junit, Terraform, Scrum, Linux/Unix, Windows, Agile development.

**Coursework:** Data Structures and Algorithms, Machine Learning/AI, Software Development, object-oriented programming.

## PROFESSIONAL EXPERIENCE

### Software Engineer

August 2021 - December 2021

*Dell Technologies*

*Bangalore, India*

- Strengthened technical solutions for 15+ clients, integrating infrastructure, architecture, ITIL, Agile, SaaS, and DevOps.
- Executed ETL from SQL database with 10,000 transactions using VBA and created dashboard in Power BI and Excel.
- Implemented automation solutions within a containerized environment, using Go, Prometheus, Kubernetes and CI/CD pipelines. Integrated seamlessly with AWS Code Pipeline or Jenkins to generate alerts, enhancing system reliability by 25%.
- Spearheaded Java and Spring Boot back-end development on Linux/Unix platforms, incorporating Maven for streamlined build processes, QA processes, and managing multiple mission-critical service instances for a banking client.

### Software Developer Intern

June 2020 - June 2021

*Void Main Technologies*

*Hyderabad, India*

- Deployed an ECommerce website with 100% uptime, utilizing Django, Python, Bootstrap, HTML, CSS, and JavaScript.
- Linked PayPal as a payment method and designed a user-friendly checkout flow for both registered and guest users.
- Optimized Response time by 15% by troubleshooting to optimize web APIs and provide smooth customer experience.

### Software Engineer Intern

January 2020 - June 2020

*Wstazure Software Solutions*

*Hyderabad, India*

- Implemented a new feature to enhance web design, to validate and improve system performance and sales by 10%.
- Improved user satisfaction by 20% through documentation and the implementation of responsive UI design systems.
- Conducted 20 Jira code submissions on projects, implemented unit testing and test automation to improve REST API practices, and enhanced microservices with version control, including Google Cloud integration and Flask framework.

## PROJECTS

### Social Research Organization Web Application, ASU

April 2023 - May 2023

- Empowered automatic scaling using a launch template, resulting in a 50% reduction in server downtime during peak traffic.
- Ensured compliance and security through the adoption of bleeding-edge technologies, configuring SSL/TLS encryption, incorporating cloud security and achieved a 70% reduction in the risk of unauthorized access.
- Leveraged AWS S3, API Gateway, Lambda, DynamoDB, and CloudWatch for integration, monitoring, and deployment.

### Student Admission Management System, ASU

March 2022 - April 2022

- Engineered an interactive platform to maintain records of 500,000 users and transactions of admission management.
- Modelled data using Docker, NoSQL, GraphQL and JSON for storing and modifying student data in database.

### On-Road Vehicle Breakdown Assistance Finder, BRECW

January 2021 - April 2021

- Developed an Android app in Android Studio using Java and Google Maps API, and Git version control, resulting in a 90% increase in issue resolution, while incorporating Google Firebase Cloud Messaging for effective communication.

### ToDoMatic, BRECW

September 2020 - November 2020

- Customized a web application to-do app, built with Node.js, React.js, Redux, Express, Git and MongoDB.
- Verified with a responsive design optimized for multi-device compatibility, with a 20% increase in task completion rate and a 30% reduction in time spent on task management, enhancing change management and user satisfaction.

## CERTIFICATIONS

• AWS Certified Cloud Practitioner

December 2023 – December 2026